

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor of the subject matter which is claimed and for which a patent is sought on the invention, design or discovery entitled:

**“APPARATUS AND METHOD USING HASHING FOR EFFICIENTLY
IMPLEMENTING AN IP LOOKUP SOLUTION IN HARDWARE”**

the specification of which is attached hereto.

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the Office all information known to me to be material to the patentability of this application as defined by Title 37, Code of Federal Regulations, § 1.56.

**PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS
(6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION AND
ANY PRIORITY CLAIMS UNDER 35 U.S.C. §119(a)-(d)**

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

COUNTRY (OR INDICATE IF PCT)	APPLICATION NO.	DATE OF FILING (Day, Month, Year)	PRIORITY CLAIMED UNDER 37 USC 119	
			<input type="checkbox"/> Yes	<input type="checkbox"/> No
			<input type="checkbox"/> Yes	<input type="checkbox"/> No
			<input type="checkbox"/> Yes	<input type="checkbox"/> No

CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S)
(34 U.S.C. §119(e))

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

SERIAL NO.	DATE FILED	STATUS

CLAIM FOR BENEFIT OF EARLIER US/PCT APPLICATIONS
UNDER 35 U.S.C. § 120

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in §1.56 which became available between the filing date of any prior application(s) and the national or PCT international filing date of this application.

SERIAL NO.	DATE FILED	STATUS

I hereby appoint:

Lisa K. Jorgenson, Registration No. 34,845
Mario J. Donato, Jr., Registration No. 37,816
Nainesh P. Shah, Registration No. 40,166
William Esser, Registration No. 38,053

of STMicroelectronics, Inc., and

William A. Munck, Registration No. 39,308
John T. Mockler, Registration No. 39,775
Daniel E. Venglarik, Registration No. 39,409

my attorneys with full power of substitution and revocation, to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith, and to file and prosecute any international patent applications filed thereon before any international authorities under the Patent Cooperation Treaty.

Send correspondence to: Lisa K. Jorgenson
STMicroelectronics, Inc.
1310 Electronics Drive
Carrollton, Texas 75006

Direct telephone calls to: Lisa K. Jorgenson
(214) 462-6000

Atty. Docket No.: 03-LJ-017 (STMI01-03017)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under § 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Full name of first joint inventor: Suresh Rajgopal

Inventor's signature: _____

Date: _____

Residence (City, County, State): San Diego, San Diego County, California

Citizenship: India

Post Office Address: 12435 Ragweed Street
San Diego, California 92129

Full name of second joint inventor: Lun-bin Huang

Inventor's signature:

Date:

Residence (City, County, State):

San Diego, San Diego County, California

Citizenship:

United States

Post Office Address:

5620 Willowmere Lane
San Diego, California 92130

Full name of third joint inventor:

Nicholas Julian Richardson

Inventor's signature:

Date:

Residence (City, County, State):

San Diego, San Diego County, California

Citizenship:

United States

Post Office Address:

740 Archer Street
San Diego, California 92109